

MANUFACTURING FACILITY AND METHOD OF ASSEMBLING  
TEMPERATURE CONTROLLED RAILWAY CAR

ABSTRACT OF THE DISCLOSURE

A manufacturing facility and method for assembling a composite box structure on a railway car underframe are provided. The composite box structure may be defined in part by an exterior metal surface, interior side stakes attached to the exterior metal surface, foam insulation disposed between the side stakes and attached to the metal surface and at least one layer of reinforced plastic material forming an interior surface. The composite box structure preferably includes a pair of end walls, a pair of side walls, a floor assembly and a roof assembly. The composite box structure may be assembled on a railway car underframe to form a temperature controlled boxcar or on insulated boxcar.